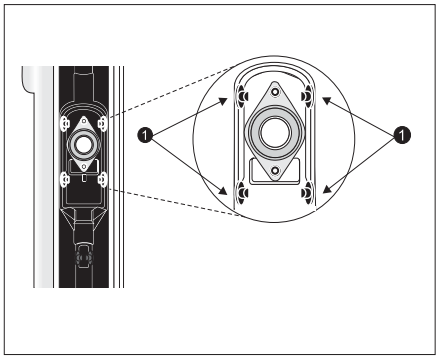
GEMSTAR® Loading the GemStar Cassette

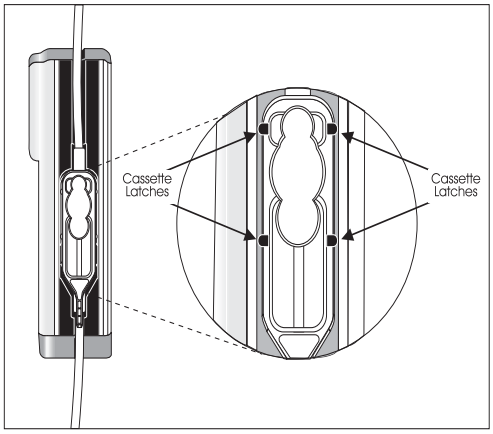
1 Identify the four black cassette latches inside the cassette pocket.



2 Line up the cassette as shown (with the flow stop button facing the pump).

3 Insert the cassette into the cassette pocket by pushing firmly along the entire cassette until it is firmly seated.

4 Verify that all four cassette latches are securely holding the cassette.

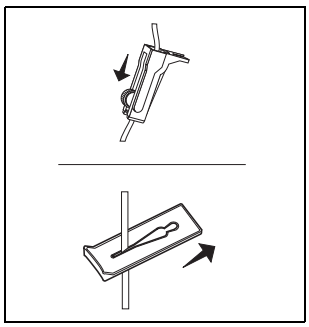


CAUTION: Make sure the cassette is properly installed. When properly installed, all four cassette latches are visibly holding the cassette securely in the cassette pocket.

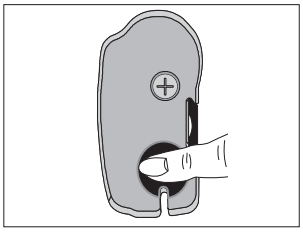
5 Place the tubing in the tubing channel.

Releasing the Cassette

1 Close the CAIR® (roller) clamp or slide clamp on the distal line.



2 Push down on the cassette release (large black button) on the top of the pump.



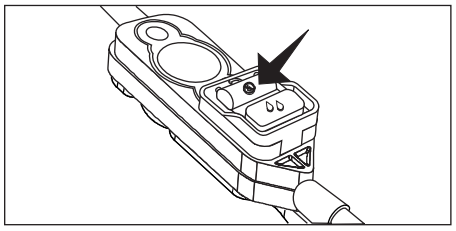
3 Remove the cassette.

Note: When the cassette is released from the pump, the cassette flow stop automatically closes, preventing free flow.

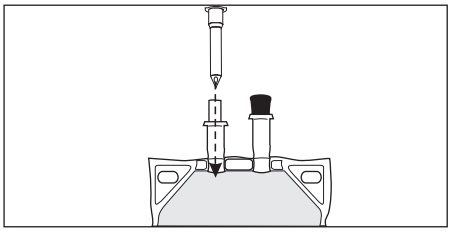
©2002 Hospira, Inc.
Hospira

Priming Hospira GemStar Pump Sets *WITHOUT a Drip Chamber*

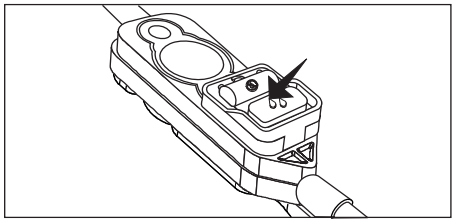
1 Push down on the flow stop to close the cassette.



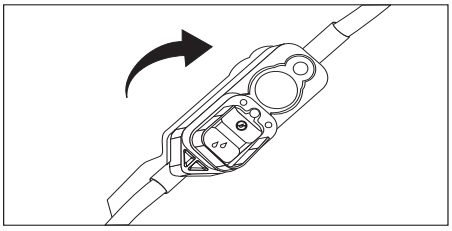
2 Hold the container with the port toward the ceiling and insert the piercing pin.



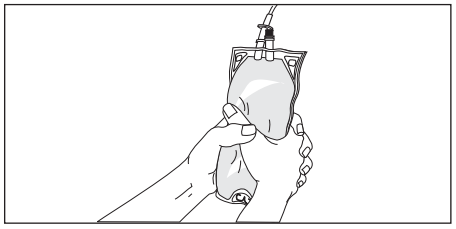
3 Push down on the flow stop to open (priming position) the cassette.



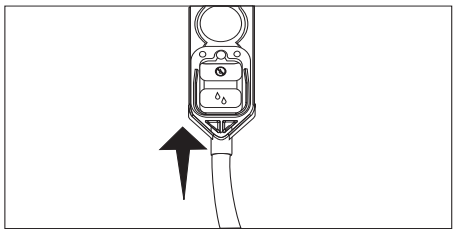
4 Invert the cassette approximately 45°.



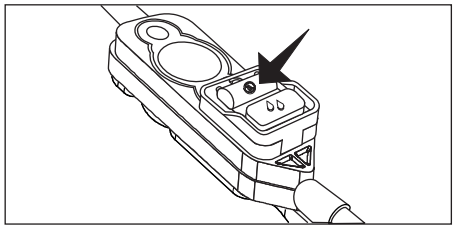
5 While holding the rotated cassette, squeeze or roll the container to remove air from the container and cassette.



6 Return the cassette to the upright position. Continue priming until fluid fills the tubing.



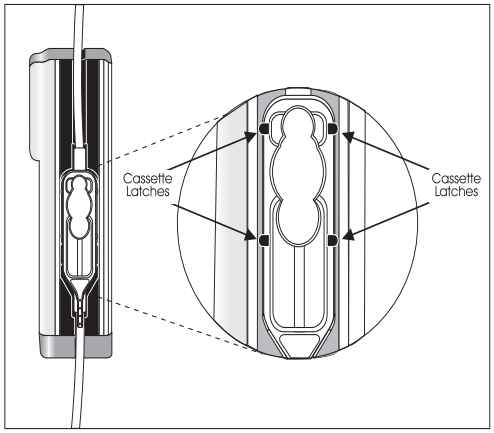
7 Push down on the flow stop to close the cassette.



8 Load the cassette.

CAUTION: Make sure all four cassette latches are clearly visible after the cassette is installed.

When priming is complete, make sure no fluid flows at the distal end of the pump set. If flow is observed, DO NOT use the pump set.



9 Connect the pump set to the patient-access device.

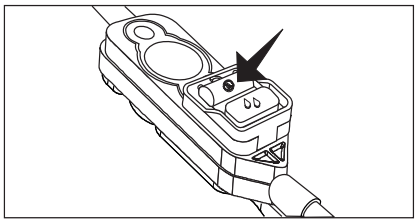
WARNING: Failure to use the anti-siphon valve may result in unrestricted flow.

©2002 Hospira, Inc.

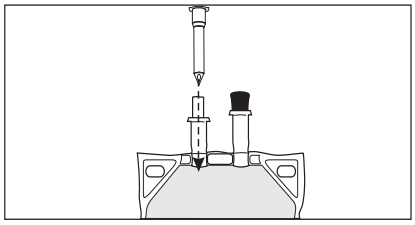
Priming Hospira GemStar Pump Sets WITHOUT a Drip Chamber Using the PURGE Key

Note: The PURGE function is only available if there is a program in the pump.

1 Push down on the flow stop to close the cassette.

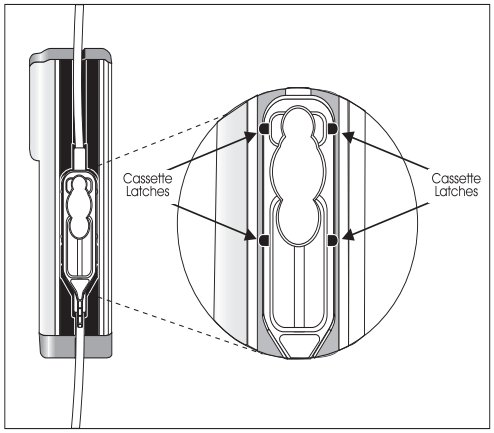


2 Hold the container with the port toward the ceiling and insert the piercing pin.



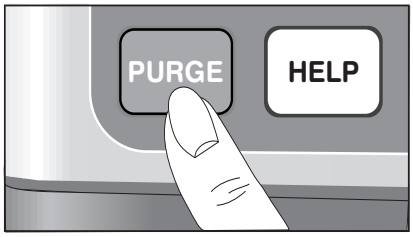
3 Load the cassette.

CAUTION: Make sure all four cassette latches are clearly visible after the cassette is installed.



4 Program desired therapy.

5 Press PURGE.



6 The pump displays `PRIME THE SET?`

Press YES ENTER.

7 While holding the container with the port toward the ceiling, press and hold PURGE.

Note: Purge rate is 250 mL/hr. The pump purges for up to 2 minutes each time you press and hold PURGE.

Continue using the PURGE key until fluid fills the tubing. Make sure all air is removed from the container, cassette, and tubing

CAUTION: When priming is complete, make sure no fluid flows at the distal end of the pump set. If flow is observed, DO NOT use the pump set.

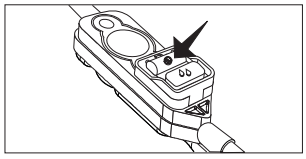
8 Connect the pump set to the patient-access device.

WARNING: Failure to use the anti-siphon valve may result in unrestricted flow.

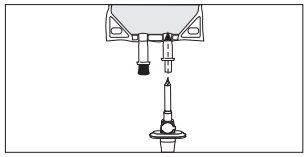
©2002 Hospira, Inc.

Priming Hospira GemStar Pump Sets WITH a Drip Chamber

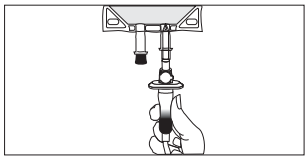
1 Push down on the flow stop to close the cassette.



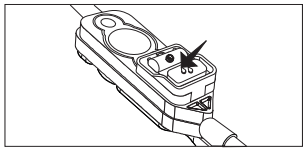
2 Insert the piercing pin into the container. Suspend the container on an I.V. Pole.



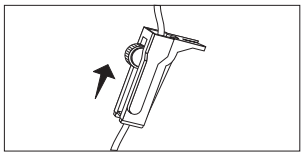
3 Squeeze the drip chamber until filled halfway.



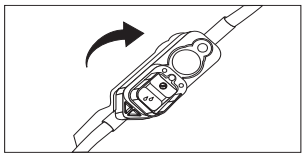
4 Push down on the flow stop to open (priming position) the cassette.



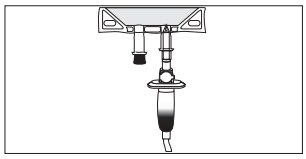
5 Make sure the CAIR® (roller) clamp is open.



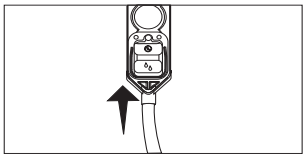
6 Invert the cassette approximately 45°.



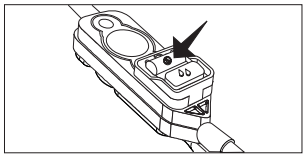
7 While holding the rotated cassette, remove air from the container and cassette.



8 Return the cassette to the upright position. Continue priming until fluid fills the tubing.



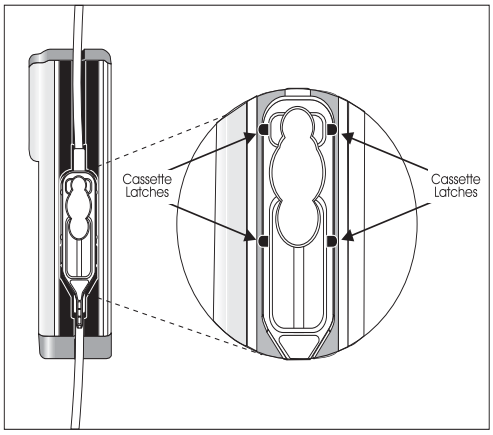
9 Push down on the flow stop to close the cassette.



10 Load the cassette.

CAUTION: Make sure all four cassette latches are clearly visible after the cassette is installed.

When priming is complete, make sure no fluid flows at the distal end of the pump set. If flow is observed, DO NOT use the pump set.



11 Connect the pump set to the patient-access device.

WARNING: **Failure to use the anti-siphon valve may result in unrestricted flow.**

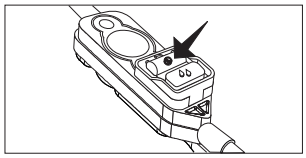
When using a vented chamber, ALWAYS use an air-eliminating filter OR set the air sensitivity to either ON or 2 mL.

©2002 Hospira, Inc.

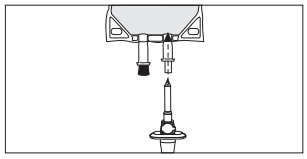
Priming Hospira GemStar Pump Sets WITH a Drip Chamber Using the PURGE Key

Note: The Purge function is only available if there is a program in the pump.

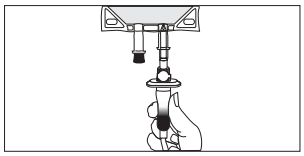
1 Push down on the flow stop to close the cassette.



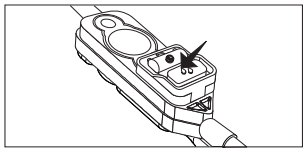
2 Insert the piercing pin into the container. Suspend the container on an I.V. Pole.



3 Squeeze the drip chamber until filled halfway.

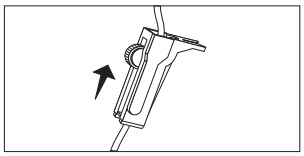


4 Push down on the flow stop to open (priming position) the cassette.

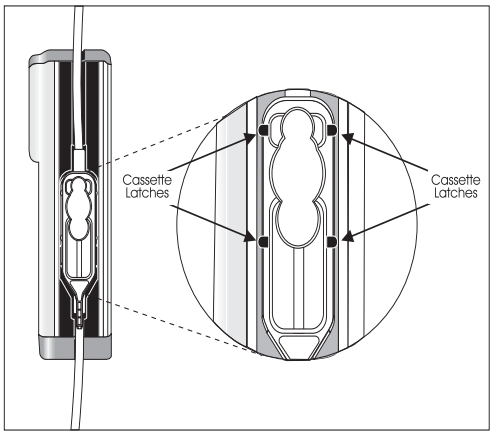


5 Make sure the CAIR® (roller) clamp is open.

6 Load the cassette.



CAUTION: Make sure all four cassette latches are clearly visible after the cassette is installed.

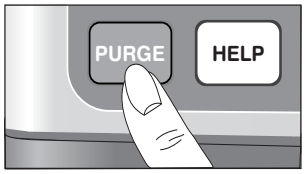


7 Program the desired therapy.

8 Press PURGE.

9 The pump displays `PRIME THE SET?`

Press YES ENTER.



10 Press and hold PURGE.

Note: Purge rate is 250 mL/hr. The pump purges for up to 2 minutes each time you press and hold PURGE.

Continue using the PURGE key until fluid fills the tubing. Make sure all air is removed from the container, cassette, and tubing.

CAUTION: When priming is complete, make sure no fluid flows at the distal end of the pump set. If flow is observed, DO NOT use the pump set.

11 Connect the pump set to the patient-access device.

WARNING: Failure to use the anti-siphon valve may result in unrestricted flow.

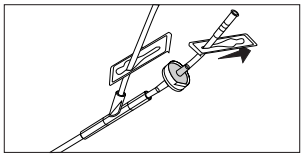
When using a vented chamber, ALWAYS use an air-eliminating filter OR set the air sensitivity to either ON or 2 mL.

©2002 Hospira, Inc.

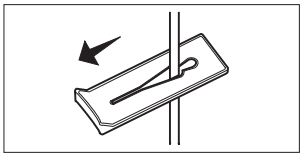
Priming Hospira GemStar Pump Sets Using Pre-filled Vials

CAUTION:When using pre-filled vials, the system may underdeliver at low flow rates.

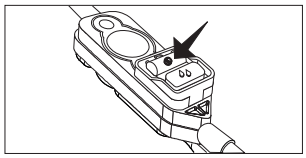
1 If using a pump set with the Y-extension, close the slide clamp to the KVO side of the tubing.



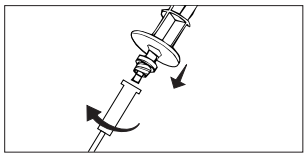
2 Open the upper and lower slide clamps.



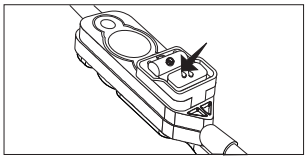
3 Push down on the flow stop to close the cassette.



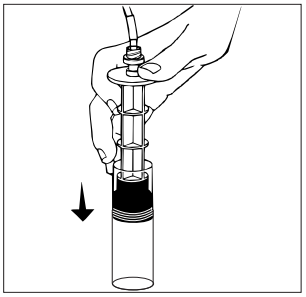
4 Connect the pump set to a Hospira pre-filled vial and injector.



5 Push down on the flow stop to open (priming position) the cassette.

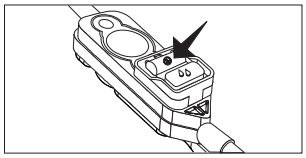


6 Hold the vial and set upright on a flat surface (pump set extending from the top). Make sure air is removed from the vial and injector.

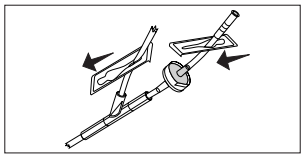


7 Slowly push down on the injector until fluid flows at the distal end of the tubing, which indicates that all air is cleared from the vial, injector, cassette, and tubing.

8 Push down on the flow stop to close the cassette.



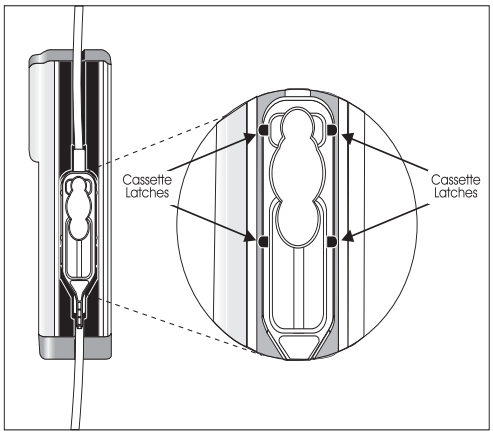
9 If the set includes a KVO Y-extension, close the slide clamp below the pre-filled vial and open the slide clamp on the KVO side. Prime the KVO Y-extension.



10 Load the cassette.

CAUTION: Make sure all four retainer clips are clearly visible after the cassette is installed.

When priming is complete, make sure no fluid flows at the distal end of the pump set. If flow is observed, DO NOT use the pump set.



11 Connect the pump set to the patient-access device.

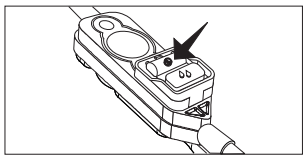
CAUTION: Close ALL slide clamps before removing the cassette from the pump.

WARNING: Failure to use the anti-siphon valve may result in unrestricted flow.

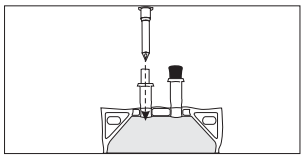
©2002 Hospira, Inc.

Priming Hospira GemStar Pump Sets with Extensions

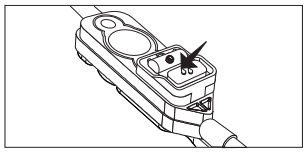
1 Push down on the flow stop to close the cassette.



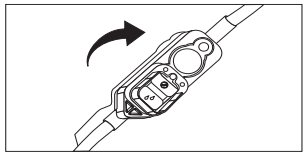
2 Hold the container with the port toward the ceiling and insert the piercing pin.



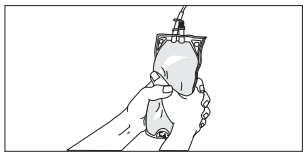
3 Push down on the flow stop to open (priming position) the cassette.



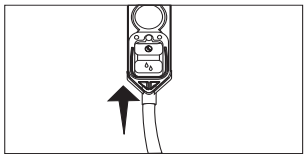
4 Invert the cassette approximately 45°.



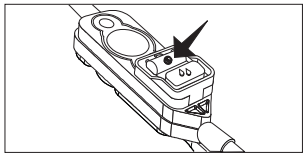
5 While holding the rotated cassette, squeeze or roll the container to remove air from the container and cassette.



6 Return the cassette to the upright position. Continue priming until fluid fills the tubing.



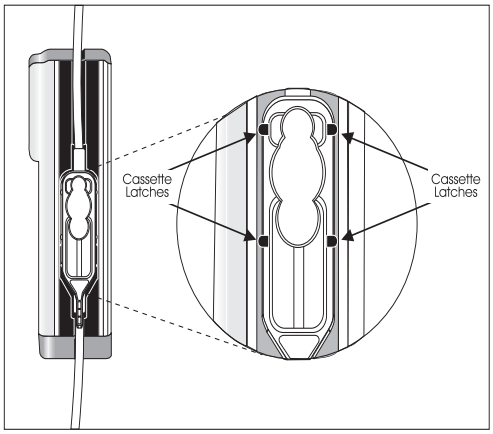
7 Push down on the flow stop to close the cassette.



8 Connect the extension set to the pump set.

9 Load the cassette.

CAUTION: Make sure all four cassette latches are clearly visible after the cassette is installed.

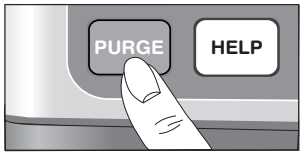


10 Program the desired therapy.

11 Press PURGE.

12 The pump displays `PRIME THE SET?`

Press YES ENTER.



13 Press and hold PURGE.

Note: Purge rate is 250 mL/hr. The pump purges for up to 2 minutes each time you press and hold PURGE.

Continue using the PURGE key until fluid fills the tubing. Make sure all air is removed from the container, cassette, and tubing.

CAUTION: When priming is complete, make sure no fluid flows at the distal end of the pump set. If flow is observed, DO NOT use the pump set.

14 Connect the pump set to the patient-access device.

WARNING: Failure to use the anti-siphon valve may result in unrestricted flow.

©2002 Hospira, Inc.